

~~CONFIDENTIAL~~

19 November 1958

MEMORANDUM TO THE FILE

FROM: [REDACTED]

SUBJECT: Project E-5140

1. Equipment is now being ordered for the testing of pre-emphasis and speech clipping circuits of the R31-D transmitter. Eleven each Gates modulation monitors have been ordered and are expected within 120 days maximum, and every effort is being made to speed this delivery date.

2. The specifications and frequency response curves on the [REDACTED] clipper have been received from the [REDACTED] and thoroughly studied. It has been decided that [REDACTED] going out on bid for these units that agency requirements might be more rapidly filled by modifying existing broadcast clipping equipment. The [REDACTED] has been contacted and they are now in the process of modifying one RCA speech clipper to include proper pre-emphasis circuitry. If successful, this unit should provide 15 db of clipping with the same shape frequency response curve as the present [REDACTED] model, shifted down in frequency some 1300 cycles to better accommodate the R31-D and a requirement for only voice transmission.

3. [REDACTED] has been contacted and are now about to submit a proposal for the necessary work required to simulate the clipping action and frequency response of a clipper and pre-emphasis network and to use this equipment to determine the required modifications of the R31-D to handle this type of input.

[REDACTED] 25X1A9a